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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/748,471	12/26/2000	Hongchang Pao	450100-02912	3410
20999 7	590 11/24/2003		EXAMINER	
FROMMER LAWRENCE & HAUG			OPSASNICK, MICHAEL N	
745 FIFTH AVENUE- 10TH FL. NEW YORK, NY 10151			ART UNIT	PAPER NUMBER
•			2655	C
			DATE MAILED: 11/24/2003	ر

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/748,471	PAO, HONGCHANG				
Office Action Summary	Examiner	Art Unit				
	Michael N. Opsasnick					
The MAILING DATE of this communic Period for Reply	ation appears on the cover she	eet with the correspondence address				
A SHORTENED STATUTORY PERIOD FO THE MAILING DATE OF THIS COMMUNIC  - Extensions of time may be available under the provisions of after SIX (6) MONTHS from the mailing date of this communication of the period for reply specified above is less than thirty (30)  - If NO period for reply is specified above, the maximum statuse.  - Failure to reply within the set or extended period for reply within the set of extended p	ATION.  37 CFR 1.136(a). In no event, however, rication. days, a reply within the statutory minimum torry period will apply and will expire SIX (6 till). by statute, cause the application to become	nay a reply be timely filed  of thirty (30) days will be considered timely.  b) MONTHS from the mailing date of this communication.  ome ABANDONED (35 U.S.C. § 133).				
1) Responsive to communication(s) filed	on <u>26 December 2000</u> .					
2a) This action is <b>FINAL</b> . 2b	)⊠ This action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)  Claim(s) 1-17 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5)  Claim(s) is/are allowed.  6)  Claim(s) 1,2,9,10 and 14-17 is/are rejected.  7)  Claim(s) 3-8 and 11-13 is/are objected to.  8)  Claim(s) are subject to restriction and/or election requirement.						
	on analor orodion roquiremen					
Application Papers	Eveminer					
9) The specification is objected to by the 10) The drawing(s) filed on is/are: Applicant may not request that any object Replacement drawing sheet(s) including the 11) The oath or declaration is objected to	<ul> <li>a) accepted or b) objected or b) objected on to the drawing(s) be held in a she correction is required if the drawing.</li> </ul>	beyance. See 37 CFR 1.85(a). awing(s) is objected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. §§ 119 and 120						
37 CFR 1.78. a) ☐ The translation of the foreign land 14) ☐ Acknowledgment is made of a claim fo	locuments have been received locuments have been received fithe priority documents have all Bureau (PCT Rule 17.2(a)) for a list of the certified copie of domestic priority under 35 U in the first sentence of the spuage provisional application of the domestic priority under 35 U in domestic priority under 35 U	d. d in Application No been received in this National Stage s not received. S.C. § 119(e) (to a provisional application) ecification or in an Application Data Sheet.				
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PT 3) Information Disclosure Statement(s) (PTO-1449) Pa	O-948) 5) 🔲 Noti	rview Summary (PTO-413) Paper No(s) ce of Informal Patent Application (PTO-152) er:				

Application/Control Number: 09/748,471

Art Unit: 2655

#### **DETAILED ACTION**

## Specification

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

### Allowable Subject Matter

2. Claims 3-8,11-13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

### Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 1-2.9-1.9>14-174. Claims 1-17 are rejected under 35 U.S.C. 102(b) as being anticipated by Takahashi et al (5793891).

Application/Control Number: 09/748,471

Art Unit: 2655

As per claims 1,15-17, Takahashi et al (5793891) teaches:

"a model adaptive apparatus for performing an adaptation of a model used in pattern recognition which classifies input data in a time series into one of a predetermined number of models, said model adaptive apparatus" as model adapting of phoneme models (Col. 9 lines 4-30, col. 11 lines 62-65)

"data extraction means...extracted data" as acquisition and analysis of TSn data (fig. 9, subblock 21; col. 11 lines 1-25)

"model adaptation means for performing an adaptation .....extracted data" as training and updating models based on the recent vector time series (col. 12 lines 20-31);

As per claim 2, Takahashi et al (5793891) teaches:

"wherein said pattern recognition ......input data" as feature based distribution (col. 12 lines 20-25)

As per claim 9, Takahashi et al (5793891) teaches speech data (Fig. 2, subblock 21)

As per claim 10, Takahashi et al (5793891) teaches noise sound models (as noise models, col. 2 lines 40-52)

As per claims 14,15, Takahashi et al (5793891) teaches:

Application/Control Number: 09/748,471

Art Unit: 2655

"feature extraction means.....input data" as feature extraction (col. 12 lines 20-35)

"storage means......classified....classification means for classifying the features.....extracted data" as storing models according to syllables, words, and phoneme (col. 1 lines 35-50).

#### Conclusion

- 5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Please see related art listed on the PTO-892 form.
- 6. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks Washington, D.C. 20231 or faxed to: (703) 872 9314,

(for informal or draft communications, please label "PROPOSED" or "DRAFT") Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington. VA., Sixth Floor (Receptionist).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Opsasnick, telephone number (703)305-4089, who is available Tuesday-Thursday, 9AM-4PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ms. Doris To, can be reached at (703)305-4827. The facsimile phone number for this group is (703)872-9314.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group 2600 receptionist whose telephone number is (703) 305-4750, the 2600 Customer Service telephone number is (703) 306-0377.

mno 11/16/2003

DORIS H. TO CONTROL OF SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2600